

WHAT IS CLAIMED IS:

1. An electroluminescence display panel comprising:

a substrate having a light transmissive property and having a first
5 surface and a second surface, the second surface being opposite to the first
surface;

a first electroluminescence element disposed on the first surface of the
substrate; and

a second electroluminescence element disposed on the second surface
10 of the substrate,

wherein the second electroluminescence element is formed so as to
transmit light, and positioned in a place opposite to the first
electroluminescence element.

15 2. The electroluminescence display panel according to Claim 1, wherein
the first electroluminescence element comprises:

a first electrode disposed on the first surface of the substrate and
having a light transmissive property;

an electroluminescence layer disposed on the first electrode; and

20 a second electrode disposed on the electroluminescence layer.

3. The electroluminescence display panel according to Claim 1, wherein
the second electroluminescence element comprises:

a first electrode disposed on the second surface of the substrate and

25 having a light transmissive property;

an electroluminescence layer disposed on the first electrode; and

a second electrode disposed on the electroluminescence layer and having a light transmissive property.

4. The electroluminescence display panel according to Claim 3, wherein
5 the second electrode of the second electroluminescence element is made of IZO (Indium Zinc Oxide).

5. The electroluminescence display panel according to Claim 1, wherein
light emitted from the first electroluminescence element propagates through
10 the substrate and the second electroluminescence element.

6. The electroluminescence display panel according to Claim 1, wherein
a propagation path of light that is emitted from the first electroluminescence
element and then propagates through the substrate and the second
15 electroluminescence element overlaps with a propagation path of light that is
emitted from the second electroluminescence element.

7. The electroluminescence display panel according to Claim 1, wherein
a display area is formed in each of the first surface and the second surface,
20 a plurality of the first electroluminescence element are disposed in a
predetermined arrangement in the display area formed on the first surface of
the substrate,

a plurality of the second electroluminescence element are disposed in
a predetermined arrangement in the display area formed on the second
25 surface of the substrate, and

each of the plurality of the first electroluminescence element formed

on the first surface of the substrate and each of the plurality of the second electroluminescence element formed on the second surface of the substrate are in an opposite relationship to each other.

5 8. The electroluminescence display panel according to Claim 1, wherein the substrate is made of glass.

9. The electroluminescence display panel according to Claim 1, wherein said substrate is made of transparent plastic.

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10. The electroluminescence display panel according to Claim 1, wherein a value obtained by multiplying “n” by “d”, wherein “n” is refraction index of the substrate and “d” is thickness of the substrate, is not less than 5mm.

15 11. The electroluminescence display panel according to Claim 1, wherein said substrate is a lens array.

12. A three-dimensional display apparatus comprising:

20 an electroluminescence display panel including: a substrate having a light transmissive property and having a first surface and a second surface that is opposite to the first surface, a first electroluminescence element disposed on the first surface of the substrate, and a second electroluminescence element disposed on the second surface of the substrate, the second electroluminescence element being formed so as to transmit light
25 and positioned in a place opposite to the first electroluminescence element;

 a picture signal supply device for supplying picture signals to the first

electroluminescence element and the second electroluminescence element of the electroluminescence display panel, respectively; and

a brightness control device for controlling brightness of the first electroluminescence element or the second electroluminescence element.